

# **LUMINAIRE**

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## **ABSTRACT**

**PURPOSE:** To improve the efficiency and the luminance by reflecting a part of the light from a light source, which goes to a first reflective face, on the first reflective face and reflecting another part of this light, which goes to a second reflective face, on the second reflective face and the first reflective face and outputting both parts of the light in a prescribed direction as rays parallel with an output optical axis.

**CONSTITUTION:** A luminaire is provided with the first reflective face 2a, which is arranged on the opposite side of the light output direction, and the second reflective face 2b which is arranged on the light output side correspondingly to the first reflective face 2a. The second reflective face 2b is a plane shape vertical to the output optical axis of the luminaire and permits the light incident at a small angle of incidence to pass through and has such property that the light L(sub 2) which is made incident on the second reflective face 2b at a large angle of incidence from the light source arranged between the first and second reflective faces 2a and 2b is reflected toward the first reflective face 2a, and the first reflective face 2a has such property that the light L(sub 1) which is made directly incident on the first reflective face from the light source and the light L(sub 2) which is reflected on the second reflective face 2b and is made incident on the first reflective face 2a are reflected on the first reflective face 2a in a direction parallel or approximately parallel with the output optical axis.